



System One Music/Video/Intercom system

S1-M User's Manual



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System One User manual rev 4.0
Document part number: 890-388
Web version including instructions for pre and post-2011 radio

Covering the products:
S1-M Master station with late model radio module
Compatible System One door stations and room stations



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FEATURES AND SPECIFICATIONS

MASTER STATIONS	
Model Number	S1-M S1-MV WITH LCD MONITOR
Dimensions (in millimetres)	388H x 322W x 91.5D (including 72.5mm recessed portion)
Radio	AM/FM auto tune with 10 AM presets, 10 FM presets and wake-up alarm
Clock	Quartz controlled with Illuminated LCD Digital display and memory backup
Video Monitor	5.6" Colour TFT display

ROOM STATION	
Model Number	S1-R (R200)
Dimensions (in millimetres)	129H x 265W x 43.5D (surface mount version) 129H x 265W x 50D (recess mount version including 28mm recessed portion)

DESKTOP STATION	
Model Number	S1-DT (K200)
Dimensions (in millimetres)	85H x 180W x 112D

DOOR STATIONS	
Model Number	S1-FD (D200) S1-FDC With Camera (D200 VIDEO)
Dimensions (in millimetres)	129H x 265W x 43.5D (surface mount version) 129H x 265W x 50D (recess mount version including 28mm recessed portion)

FEATURES
Paging Calls to all stations
Selective Calling to individual stations or groups of stations
Door Call
Hands Free Reply from all stations
Auto or manual call cancel
Privacy function
Child Monitoring function
Music On/Off function
Digital local volume control at each station
Sensitive electret microphone
Illuminated buttons
Microphone Active indication
Privacy indication
System In Use indication
Piped Music and wake-up alarm from built-in AM/FM Radio with Digital Clock *
Optional piped music from auxiliary audio sources
Video Monitoring of visitors at Door station **
Optional control of auxiliary devices
Optional Lock Release
Illuminated Door Chime button
10 programmable door chimes

* Feature available only on systems fitted with Master Station

** Feature available only on systems fitted with S1-MV Master Station and S1-FDC Door Station

IMPORTANT NOTICE:

The contents of this operating guide are for new installations. Replacement and upgraded systems may vary dependant on existing conditions and cable availability.

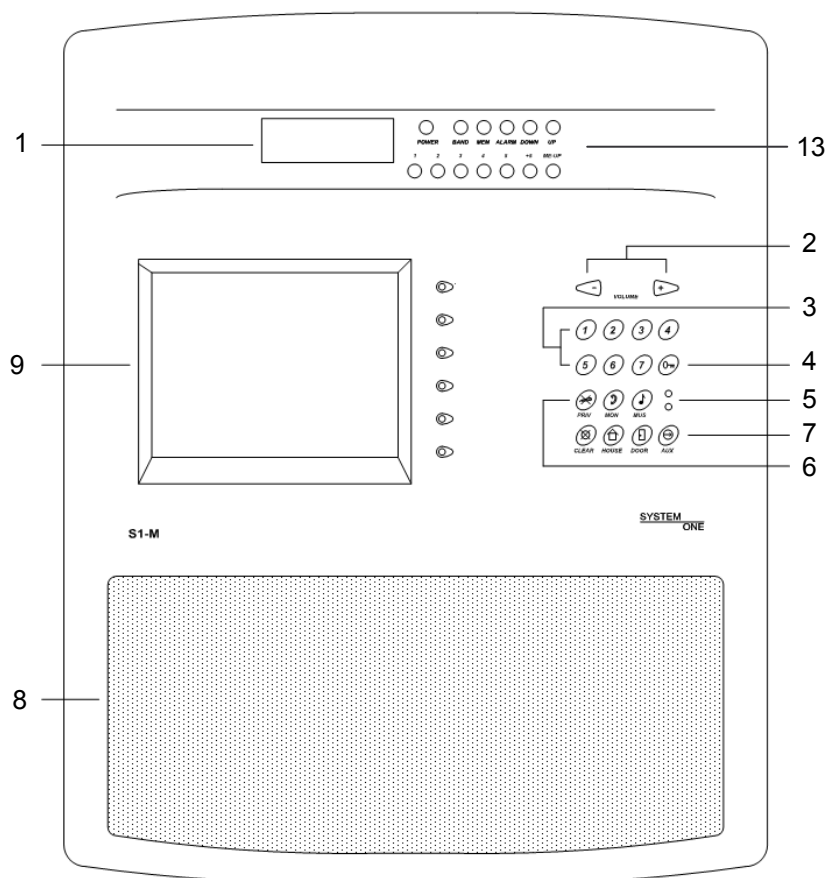
The radio operation is dependant on a variety of environmental conditions. The radio signals of both AM and FM may vary dependant on signal strength and antenna reception and prevailing conditions. This system is supplied with standard internal antennas. Additional reception devices may be required

INTRODUCTION

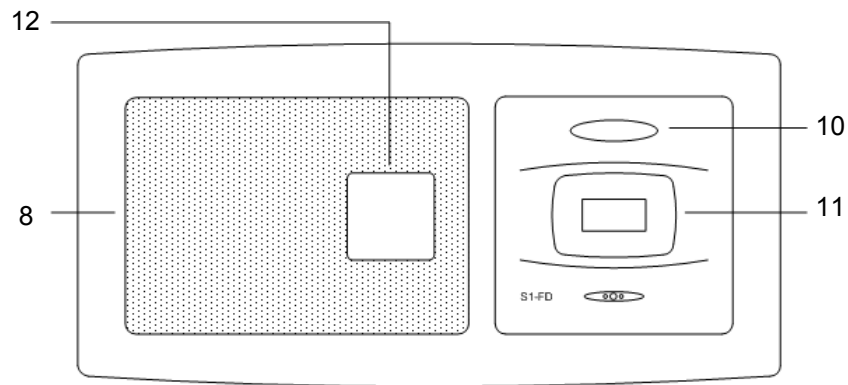
The System One™ Home Communication System provides the simplicity and reliability of digital technology and can be installed using up to 20 stations offering great flexibility and convenience. This total Home Communications System continues to set the highest standards of quality and performance for which the System One™ name has become well known.

Features Include:

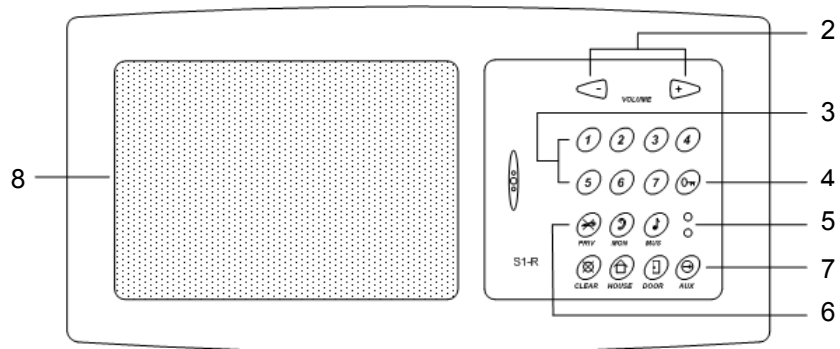
- Paging & Select call capability so you can make calls to individual stations, groups of stations or all stations at once
- Hands free reply to all calls; especially helpful for young children who can reply from any part of a room without the need to press a button
- Privacy function to avoid being listened to by other stations
- Door/Gate Video Monitoring (Optional)
- Multiple Door/Gate release (Optional)
- Automatic reset circuitry so you do not have to remember to reset any switches after making an intercom call
- All keypad buttons are illuminated for night use and also serve as handy night lighting. (The keypad illumination can easily be switched off at each station if necessary)
- The Master Station has onboard capacitive memory to maintain the clock and radio station presets during short power failures
- An optional wireless audio transmitter (WAT) operates through the FM radio on the master station allowing you to enjoy piped music throughout your System One™ intercom from any audio source in the house



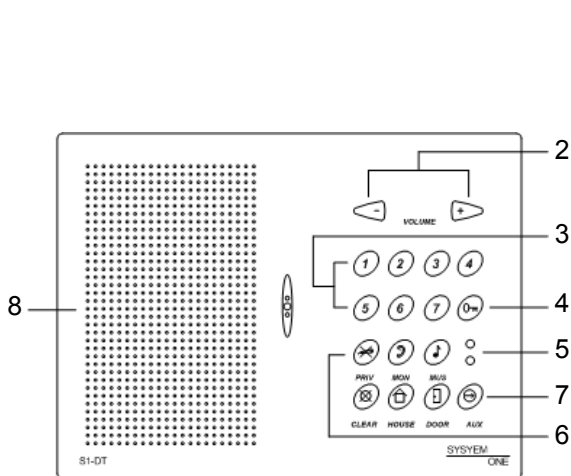
S1-M Master Station



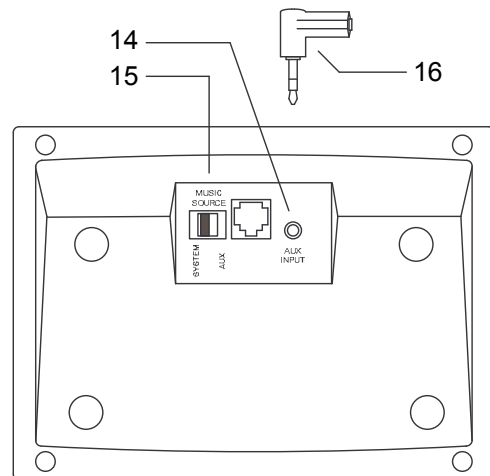
S1-FD Door Station



S1-R Room Station



S1-DT Desktop Station



Bottom View of S1-DT Desktop Station

KEY FUNCTIONS

1. Display for Clock/Radio
2. Volume Buttons
3. Numbered Call Buttons – for calling individual stations
4. Lock Release Button
5. Status Lights
 - GREEN Talk/Monitor/Privacy
 - RED Music/In Use/Audio Off
6. Mode Buttons
 - PRIV Turns Privacy mode on/off
 - MON Turns Monitor mode on/off
 - MUS Turns Music mode on/off
 - Press and hold to turn all audio off completely
7. Intercom Function buttons
 - CLEAR Cancels intercom calls
 - HOUSE Press to communicate to all stations. Release to Listen
 - DOOR Press to communicate to Door station. Release to Listen
 - AUX Turns optional auxiliary outputs on/off if fitted
8. In-built speaker
9. Video Display (only on S1-MV Master Station)
10. Camera Lighting (only on S1-FDC Door Station)
11. Illuminated Doorbell Button
12. Video Camera (only on S1-FDC Door Station)
13. Radio/Clock Buttons
 - POWER Turns Radio on/off throughout system
(Clock displayed when Radio turned off)
 - BAND Selects AM or FM radio band
 - MEM Store radio presets / adjust time / adjust alarm time
 - ALARM Set wake-up alarm / adjust alarm time
 - DOWN Adjust radio frequency down / adjust time (minutes)
 - UP Adjust radio frequency up / adjust time (hours)
 - 1 to 5 Selects preset radio stations 1 to 5
 - +5 Press +5 before before pressing buttons 1 to 5
to select presets 6 to 10
 - ME-UP Sequentially selects preset radio stations
14. Audio Input Socket for MP3 Player, PC Audio, etc.
15. Audio Source Selector Switch
16. Right Angle Adaptor for audio input

Instructions for pre-2011 systems
See page 8 for 2011 and later systems

RADIO/CLOCK FUNCTIONS

pre-2011 systems

SETTING THE CLOCK

Press the POWER button to turn the radio off. The time will be displayed.

Press and release the MEM button to enter *Time Set* mode.

While the clock digits are flashing:

Press UP to adjust hours and AM/PM.

Press DOWN to adjust minutes.

Press and release MEM to set the time and exit *Time Set* mode.

RADIO OPERATION

Press the POWER button at the master station to turn the radio on or off throughout the system.
(Time is displayed when radio is turned off)

Press the MUS button at any station to enable *Music* mode for that station.

(The red light will be on when *Music* mode is enabled)

The radio volume can be adjusted individually at each station using the VOLUME buttons.

Press the MUS button again to exit *Music* mode.

TUNING THE RADIO

Press the POWER button at the master station to turn the radio on.

Press the BAND button to select AM or FM.

Use the UP and DOWN buttons to select your desired radio station frequency.

If radio presets have been stored, you can select programmed radio stations by pressing the buttons numbered 1 to 5. (Use the 5+ button followed by buttons 1 to 5 to select preset radio stations 6–10)

You can use the ME-UP button to sequentially select programmed radio stations 1–10.

STORING RADIO PRESETS

Press the POWER button at the master station to turn the radio on.

Use the UP and DOWN buttons to select the desired frequency.

Press the MEM button.

Press the desired preset button (1–5).

Press the MEM button again to store the station.

Note: For presets 6 to 10, press the 5+ button followed by one of the buttons 1 to 5.

USING THE WAKE-UP ALARM

Press the POWER button to turn the radio on.

Select the desired band and radio station frequency.

Press the POWER button again to turn radio off.

Press the ALARM button (The word 'ALARM' and the Alarm Time are now flashing)

Set the Alarm Time using the UP button to adjust the hours and the DOWN button to adjust the minutes.

When the flashing stops, the normal time and 'ALARM' are displayed.

The radio will now automatically turn on at the programmed time.

After the radio has turned on, it can be turned off by pressing the POWER button.

To set the alarm to activate again at the same time, simply press the ALARM button ('ALARM' is displayed)

If you wish to deactivate the alarm once it has been set, Press the ALARM button causing 'ALARM' and the alarm time to flash and then press the ALARM button again ('ALARM' is no longer displayed)

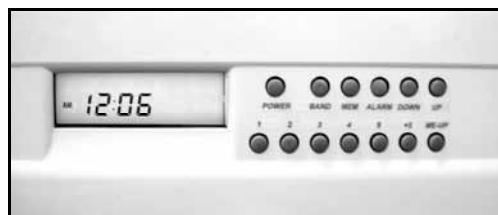
AUDIO OFF MODE

The VOLUME buttons at each station control the audio volume for that station however some audio will still be heard even with the volume adjusted to minimum.

To completely turn off all audio at any station, press and hold the MUS button until the red light begins to flash slowly.

To turn the audio back on, press the MUS button. (The red light will turn off)

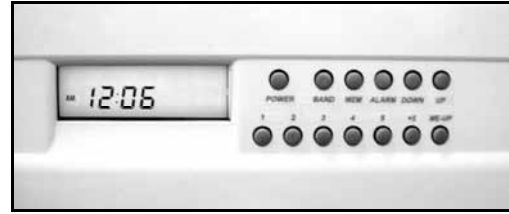
Clock and radio setup applies only to systems fitted with a master station.



Master Station clock and radio display

**These instructions are for systems
made in 2011 and later
See page 7 for pre-2011 systems**

*Clock and radio setup applies only to
systems fitted with a master station.*



Master Station clock and radio display

RADIO/CLOCK FUNCTIONS

SETTING THE CLOCK

- If the radio is on, press the POWER button to turn the radio off. The time will be displayed.
- Press and release the MEM button.
- While the minutes are flashing, press the UP or DOWN buttons to adjust the minutes.
- Press and release the MEM button again.
- While the hours are flashing, press the UP or DOWN buttons to adjust the hours and AM/PM.
- Press and release the MEM button once again.
- Press and release MEM to set the time and exit Time Set mode.

RADIO OPERATION

- Press the POWER button at the master station to turn the radio on or off throughout the system. (Time is displayed when radio is turned off)
- Ensure the green TUNER indicator is illuminated at the master station (Press AUX then 3 if it is not)
- Press the MUS button at any station to enable Music mode for that station. (The red light will be on when Music mode is enabled)
- The radio volume can be adjusted individually at each station using the VOLUME buttons.
- Press the MUS button again to exit Music mode.

TUNING THE RADIO

- Press the POWER button at the master station to turn the radio on.
- Press the BAND button to select AM or FM.
- Use the UP and DOWN buttons to select your desired radio station frequency.
- If radio presets have been stored, you can select programmed radio stations by pressing the buttons numbered 1 to 5. (Use the 5+ button followed by buttons 1 to 5 to select preset radio stations 6–10)
- You can use the ME-UP button to sequentially select programmed radio stations 1–10.

STORING RADIO PRESETS

- Press the POWER button at the master station to turn the radio on.
- Use the UP and DOWN buttons to select the desired frequency.
- Press the MEM button.
- Press the desired preset button (1–5).
- Press the MEM button again to store the station.
- Note: For presets 6 to 10, press the 5+ button followed by one of the buttons 1 to 5.

USING THE WAKE-UP ALARM

- Turn the radio ON
- Select the desired frequency Band and Station
- Turn the radio off again
- Press and hold the ALARM key until the MINUTES begin to flash
- Use the UP/DOWN keys to adjust the alarm time MINUTES
- Press the ALARM key again – the HOURS will begin to flash
- Use the UP/DOWN keys to adjust the alarm time HOURS
- Press the ALARM key again – ON or OFF will be displayed indicating the status of the alarm function
- Use the UP/DOWN keys to turn the alarm function ON or OFF as required
- Press the ALARM key once again to complete the alarm programming procedure and return to the current time

NOTE: Ensure the radio is turned OFF so the radio can turn ON at the designated time.
If the radio is left ON, the function will operate in reverse and the radio will turn OFF at the designated time.

WIRELESS AUDIO INPUT

The *WIRELESS AUDIO TRANSMITTER* is an optional accessory which, in conjunction the FM radio on the master station, allows any audio source, (CD, DVD, Tape, Computer audio), to be piped to all intercom stations.

To set up:

- Ensure the *WIRELESS AUDIO TRANSMITTER* is powered and connected to the audio source
- Turn on the audio source, (CD, DVD, Tape, Computer)
- Turn on the radio at the master station
- Tune the FM radio to the frequency of the *WIRELESS AUDIO TRANSMITTER*
- Sound from the audio source will be heard on that FM frequency
This frequency can be stored as a radio preset which effectively becomes the Auxiliary Input selection key

INTERCOM OPERATION

MUSIC MODE

Any station set to *Music* mode can listen to any other station being monitored, and can listen to music piped from the master station.

Press the MUS button at any station to enable *Music* mode for that station. The red light will turn on indicating that *Music* mode is enabled.

The radio volume can be individually adjusted at each station.

Press the MUS button again to disable *Music* mode. (The red light will turn off)

MONITOR MODE

Any station set to *Monitor* mode can be listened to by other stations. For example, to ensure that a baby is sleeping soundly or that a sick child or an elderly parent is comfortable at night.

To Select Monitor Mode:

Press the MON button at the station to be monitored. (The green light will turn on indicating the microphone is active).

Select *Music* mode at any other station to listen to the monitored station.

Listening to monitored station(s) is more effective if the radio at the master station (or aux audio) is turned off.

Stations set to *monitor* mode will not respond to paging calls, door calls and door chimes but will respond to Select Calls which allows for communication to the station being monitored

To de-select Monitor Mode:

Press the MON button. (The green light will turn off).

PRIVACY MODE

Privacy mode caters for situations where you want to prevent other stations from listening in to a particular room by disabling the station's ability to reply to incoming calls.

To select Privacy Mode:

Press the PRIV button at the station where privacy is required. (The green light will flash indicating the station is in *Privacy* mode).

To de-select Privacy Mode:

Press the PRIV button. (The green light will turn off).

Outgoing calls can still be made while in *Privacy* mode.

NOTE: Music, Monitor and Privacy modes will reset in the event of a power disruption.

SELECT CALLS

A Select Call allows you to make an intercom call to a particular station or group of stations.

Your installer will preset each of your room stations with a number.


To talk to another station, simply press and hold the *number* button for that station, talk, then release to listen.

If your system has more than eight stations, see the section “Making a Select Call – Two Digit Format”.

Making a Select Call – Single Digit format

Press and hold a CALL button (1–8) at the master station or any room station. The green light will turn on indicating your microphone is active.

Talk at a normal level then release the CALL button to listen for a reply. The green light will turn off at your station and will turn on at the called station enabling the other station to reply.

 Those replying to a call need not press any buttons. All replies are ‘hands free’.

Continue the conversation by pressing the selected number to talk and releasing the selected number to listen.

The system will automatically cancel a call if no buttons have been pressed for approximately 20 seconds. You can also manually cancel a call by pressing the CLEAR button.

Making a Select Call – Two Digit format

To call a station with a two digit station number, press the first digit of the station number at the master station or any room station. The red light will begin flashing.

Press and hold the second digit of the station number. The green light will turn on indicating your microphone is active.

Talk at a normal level then release the second digit button to listen for a reply. The green light will turn off at your station and will turn on at the called station enabling the other station to reply.

 Those replying to a call need not press any buttons. All replies are ‘hands free’.

Continue the conversation by pressing the second digit button to talk and releasing it to listen.

The system will automatically cancel a call if no buttons have been pressed for approximately 20 seconds. You can also manually cancel a call by pressing the CLEAR button.


PAGING CALLS

A Paging Call communicates to all other stations with the exception of door stations and is the best method of speaking to someone if you’re not sure where they are in the house.

To page all stations:

Press and hold the HOUSE button at the master station or any room station. The green light will turn on indicating your microphone is active.

Talk at a normal level then release the HOUSE button to listen for a reply. The green light will turn off at your station and will turn on at all other stations enabling these to reply.

 When replying to a call there is no need to press any buttons. All replies are ‘hands free’.


To hold a conversation, press and hold the HOUSE button to talk and release to listen.


The system will automatically cancel a call if no buttons have been pressed for approximately 20 seconds. You can also manually cancel a call by pressing the CLEAR button.

DOOR/GATE STATION OPERATION

When the Doorbell button is pressed at the front door station, the electronic chime is heard at all stations.

On systems equipped with camera and LCD Monitor, a video image of the visitor will appear at the master station for 20 seconds.

 Stations with their volume set to minimum and stations set to *Monitor* mode will not hear the door chime. To talk to a visitor at the front door station, press and hold the DOOR button at the master station or any room station. The green light will turn on indicating your microphone is active. Talk at a normal level then release the DOOR button to listen for a reply.

 The visitor does not need to press any buttons to reply. All replies are ‘hands free’.

To hold a conversation, press and hold the DOOR button to talk and release to listen.

The video image of the visitor will remain visible at the master for the duration of communication to the door station and will reset 20 seconds after the DOOR button is released.

Communication from the front door station will automatically cancel 20 seconds after the DOOR button is released. You can also manually cancel a call by pressing the CLEAR button.

AUXILIARY/LOCK OUTPUT

Electronic door locks, Automatic gates, Courtesy lights, Alarm panic circuits, etc. can be controlled from the master or any room station if optional auxiliary output boards have been fitted to your system.

These outputs can be programmed to time out or toggle depending on the application.

TO ACTIVATE AN OUTPUT:

Press and release the AUX button at the master or any room station followed by a predetermined '*NUMBER*' button for the device you wish to control.

If the output is programmed to time out, the device will de-activate or reset after a predetermined period of time.

If the output is programmed to toggle, the output will remain on until the AUX button followed by the predetermined '*NUMBER*' button is pressed again.

- NOTE:**
- For this Optional feature to be available, the fitting of Auxiliary output boards and additional wiring are required at installation.
 - Depending on the installation setup, the '8' button is sometimes configured as the LOCK button. Where this is the case, the '8' button cannot be used for 'select calls'.



- Stations set to Monitor mode will not receive PAGING calls and will not hear the DOORBELL.
- Stations with volume set to minimum will not receive PAGING or SELECT calls and will not hear the DOORBELL.
- Stations set to PRIVACY mode cannot reply hands free.
- Do not make a call if the red light is flashing as this indicates that someone is already using the system to communicate.

DESKTOP STATION – AUDIO INPUT

The Desktop Station can be used as a computer speaker or to listen to music from an MP3 player.

You will need an appropriate lead with a plug at one end to suit your audio device and a 3.5mm stereo plug at the other end to plug into your desktop station.

To Listen to your auxiliary audio device:

Plug the appropriate audio lead into the Audio Input Socket at the bottom of the desktop station using the Right Angle Adaptor if required.

Plug the other end of the audio lead into your computer or MP3 player. Ensure the Audio Source Selector switch, at the bottom of the desktop station, is switched in the direction of the arrow in Diagram A.

Select Music mode on the desktop station by pressing the MUS button.

Ensure that your Computer or MP3 player is turned on and playing.

With the volume of the desktop station set to the normal level for communication, adjust the output volume on your computer or MP3 player so the volume from the desktop station is at the desired level.

To Listen to radio from the master:

Switch the Audio Source Selector switch, at the bottom of the desktop station, in the direction of the arrow in Diagram B.

Ensure the radio is turned on at the master and *Music* mode is selected at the desktop station.

Set to Aux Audio Source

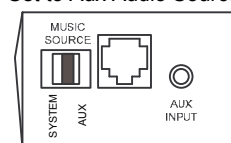


Diagram A

Set to System Audio Source

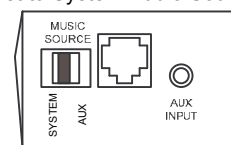


Diagram B

Radio: _____

Home Automation: _____

Room Station: _____

Other: _____

